

## VASCAR II SPEED TRAP



VASCAR II  
DISTANCE/  
TIME COM-  
PUTER-IN-  
DICATOR, orig-

inally used by police agencies for clocking speed of vehicles while the police car was either in motion or stopped. Unknown vehicle is determined by referencing it to the known speed of the police car over a predetermined distance. Clocking possible of vehicle in front of, behind, in opposite direction of, or across the path of the police car. Displays average speed in tenths of miles per hour upto 199.9 mph. Computer module consists of four circuit boards with 5 VDC logic and transistors. Operates from 12 VDC 3.4 amps. Includes computer module, control module w/cable and plug, power plug, transducer plug, and manuals. Speedometer transducer is not available. 2 1/2 x 13 1/2 x 7 1/2, 18 lbs sh. Used, operational-not calibrated \$75.

## CANADIAN TRANSCEIVERS

### CRT-1/CPRC-26 CANADIAN

PORTABLE TRANSCEIVER, six channel unit for use in the 47 to 55.4 FM Mhz range. Receiver consists of RF amp, xtal oscillator, mixer, 4/IF amps, limiter, discriminator, and audio amp. Transmitter has master oscillator, modulator, power amp w/3B4. Uses tubes 2/3B4, 5/1AD4, 5672, and 3/5678 all of which are in sealed plug-in modules except the 3B4's. Modules are repairable. Receiver sensitivity about 2 uv, deviation 15 Khz. Transmitter output 300 MW. Receiver requires 1.5 V 550 ma 45 V 12 ma, 90 V 30 ma; transmitter 1.5 V 550 ma, 45 V 8 ma, and 90 V 30 ma. (Battery not available.) With battery box but less crystals. O/a 3 1/2 x 10 1/2, 5 lbs sh. Used, \$12.95

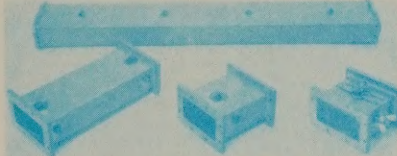
Accessories for CPCR-26: SCHEMATIC, \$1.50  
AT-5001/PRC ANTENNA, collapsible with flex base; 11" L folded, 47" extended. \$3.00 ea.  
CP-1/PRC COUNTERPOISE, rubber insulated 4 ft long wire w/split pin plug; use as counterpoise and/or trailing wire antenna. 2/\$1.50  
CAN-H33/PT HANDSET, like U.S. H-33/PT but with Canadian plug; \$8.95 with set purchase.  
H-5002/PRC HEADSET, one 300 ohm element, \$4.  
MODULE SPARES, unused; specify RF OSCILLATOR, IF AMP, MODULATOR, AF AMP --\$1.50 ea, 10/\$10



## 4 OHM 250 WATT 1%

DALE POWER RESISTOR, 4  
250 WATT 1%; overall 6 1/2"  
long X 2 1/2"H x 2 1/2"D, 2 lbs  
sh. #NH-250-4, NEW, \$4.95

## 3.7-4.17 GHZ WAVEGUIDE



COPPER WAVEGUIDE, 2"x1" size for the 3710 to 4170 Mhz range; Western Electric manufacture, removed from telephone installations. Filters are tuned to preset frequency; adjusting screws can be reset to desired frequency. No further information available.

- #1301-Series FILTER with four adjusting screws; 18 1/2" length, \$24.95
- #1303-Series FILTER, two top and two side adjust screws; 6-11/32"L, \$17.95
- #1300-Series FILTER, one top and one side adjust screw; 3-5/32"L, \$12.95
- #400-Series TUNER, two 1/2" dia adjust screws; 2 1/2" long, \$14.95
- #ED51566-30 TUNER/TRANSDUCER, two 1/2" dia adjust screws, one 3/8" dia screw port; 2-7/8" long, \$16.95

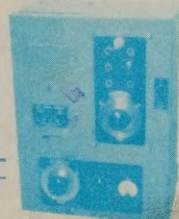


#3368330K1 AMPLIFIER, dual section 2-5/32" and 1 1/2" variable internal port; o/a 4 1/2"L, \$19.95

#ED63919-31 AMPLIFIER with 416B tube with 3/8" dia screw port adjacent to tube grid cap; assembly silver-plated brass. O/a 5 1/2 x 3 1/2 x 1-3/8, 4 lbs sh. \$27.95  
Mating 6-prong connector, \$2.00

## ANTIQUE TRANSMITTER

RCA ET-8003 LF TELEGRAPH TRANSMITTER, "antique" unit transmits 700 Hz tone over 355-500 Khz; 30 watts output. Designed to operate from 1500 VCT 100 ma 350 Hz power input. Keying circuit is in-line with the power input so that keying makes or breaks the power circuit. The four #10 tubes are then modulated by the line frequency and produce the 700 Hz tone. Antenna coupling set by moving plug in to any one of six coil tap jacks. Has two National Velvet Vernier dials, two variometers, and 0-5 RF ammeter. 21x16x11, 30 lbs sh wt. Government-reconditioned, \$99.50



Original 350 HZ POWER TRANSFORMER for ET8003; primary 115 VAC 350 Hz, secondary 1500 VCT 100 ma. 10 lbs sh wt; unused, \$10.00

## TMC VLF RECEIVER

### MODEL VLRB-1

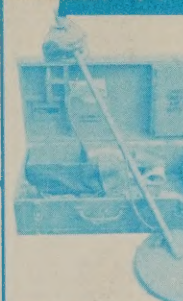
VLF RECEIVER manufactured by Technical Materials Corporation; transistorized unit covers 30-600 Khz



AM, CW, MCW, FAX, FSK in bands 30-55, 55-100, 100-180, 180-330, and 330-600 Khz. DSB, ISB, SSB, and synthesized reception possible when used with proper external converters (not available). First IF 8.4 Khz, second 100 Khz. Selectivity 0.5, 2, 4, or 8 Khz. Features modular PC board construction, 6" wide linear tuning scale with magnetic cores for stable, smooth tuning, IF noise silencer, fast-attack AGC, RF level meter, and 6.5 and 5.8-6.37 Mhz outputs for external synthesizer. Input impedance 50 ohms; output 600 or 8 ohms. Requires 115/230 VAC 47-400 Hz or 24 VDC for battery operation. 7x19x16, 25 lbs sh wt. Used, checked, \$250.00

TMC MODEL VLRC-1 VLF RECEIVER similar to VLRB-1 except 10-40 Khz in bands 10-16, 16-25, and 25-40 Khz; selectivity 0.1 or 0.5 Khz. Used, checked, \$250.00

## WW-II MINE DETECTOR



SCR-625 MINE DETECTOR SET, famous World War II unit designed to detect anti-tank mines buried at depth upto 24". Detection indicated on meter attached to handle or audibly by the M-356 resonator. Set includes C-446 13" dia x 1" search coil, BC-1140 control, BC-1141 amplifier,

M-350 handle, M-356 resonator, BG-151 bag, CH-156 transit chest, and manual. With tubes 2/LN5 and 136. Requires

two "D" cell batteries and BA-38 battery (not available) which supplied 103 and 67 VDC. Units are in good physical condition, but because of their age we do not guarantee their operation. 49 lbs sh wt. Used, \$79.50

## MX-329 GYRO ASSY



### MX-329/ASG-10 BOMB DIRECTOR

GYRO set in MT-338 shock-mount. Gyro is operated from external air pressure and has 27 VDC gear motor to look gyro. Aluminum housing 4-3/8" dia; gyro about 2 1/2" dia. Has glass window on one end with -20 to 0 to +60 scale for monitoring relative attitude. 6 1/2 x 7 x 9, 10 lbs sh. \$29.50

## Fair Radio Sales Co.

1016 E. EUREKA ST.

P. O. BOX 1105

Lima, Ohio 45802-1105

PHONE: 419/227-6573



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## WS-82 CATALOG SUPPLEMENT



PP-1175A/SR TRANSISTORIZED 115 VAC 60 HZ POWER SUPPLY which provides all the necessary voltages to operate GRC-transceivers RT-66, -67, and -68 plus one R-108, -109, or -110 receiver. Includes power connector, auxiliary receiver connector, and manual. 9x7 1/2 x 14, 40 lbs. Unused, \$85.00; CX-1211 CABLE ASSY, connects power supply to transceiver, used, \$6.00

SPECIAL SAVINGS on GRC-transceivers & receivers if purchased with PP-1175. See WS-82 Catalog for specs

RT-66, 20-27.9 Mhz, \$39.50	\$27.50	R-108 \$66.00	\$22.00
RT-67, 27-38.9 " , \$49.50	\$35.00	R-109 \$69.00	\$28.00
RT-68, 38-54.9 " , \$75.00	\$55.00	R-110 \$66.00	\$36.00

PRICES ARE F.O.B. LIMA  
ITEMS OVER 50 LBS. SHIPPED  
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Saturday 9 to 1:00

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RETURN TO SENDER  
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UNABLE TO FORWARD



## 10 INCH CONDOR FAN

TMC 10" dia CONDOR FAN, moves air at rates 450-575 CFM at less than 49 dbm. 3-blade fan set in 3.5" deep aluminum housing. Motor has long-life stainless steel ball bearings. 5 lbs sh. Unused, \$22.95

ROTRON 7" dia FEATHER FAN, 270 CFM free air delivery; 2 1/2" depth. 3-blades, 3 lbs. \$14.95

ROTRON MUFFIN or SENTINEL AXIAL FANS, 4 1/2" square x 1 1/2" deep; 3-blades in plastic housing. 105 CFM, 14 W; 2 lbs. Used chkd., \$8.95

HOWARD 4 1/2" square equipment fan with 5/8" deep aluminum cast frame and five nylon blades. Heavy duty motor rated 19 watts; overall depth 2-5/8". Removed from equipment. #1175-08, \$9.95

5-BLADE FAN, 6 1/2" dia rotation; mounted in 9x11 1/2 aluminum frame with 8x8 removable filter. Motor rated 105/125 VAC 50/60 Hz 1/40 HP 3350 RPM; 4 mf 330 VAC capacitor included. 5 1/2" depth behind panel. 10 lbs sh. #B201/MD141, used, \$14.95

## VARIABLE XFMRs

LARGE VARIABLE TRANSFORMERS various manufacturers; all 50/60 Hz 1φ. Units used, checked with knob and dial.

#	Input	Output	Amps	KVA	Sh	Wt	Price
13515	120 V	0-135V	15	2.0	20	lbs	\$37.
105135	"	105-135V	35	4.7	23	"	\$50.
14045	"	0-140	45	6.3	75	"	\$90.
24028	240 V	0-240	28	7.8	82	"	\$100.
24056	"	"	56	15.7	170	"	\$175.

## HI-CURRENT BRIDGES

#A9013AX4 SINGLE PHASE DUAL PARALLEL BRIDGE ASSEMBLY, has eight diodes each rated 100 V 83.7 amps; capable of 220 amps if air-cooled, 4500 A surge 1 cycle. 7 1/2x10 1/2x9, 26 lbs. Used, \$49.50

#A9013CS1BD1 3-PHASE FULL-WAVE CENTER TAP BRIDGE with six 300 V 83.7 amp diodes (220 A if air-cooled). 7x14x8 1/2, 21 lbs. Used \$54.50

#5961-860-1165 (Collins #548-1278-000) THREE PHASE FULL WAVE BRIDGE, bridge rating 95 VDC max. 290 amps max. using six diodes. 6 1/2x12 1/2x8, 22 lbs sh wt. Unused, \$45.00

## 50 AMP CONTACTOR

STRUTHERS-DUNN CONTACTOR, heavy duty, 12 VDC coil and 24 VDC 50 amp contacts. 3-1/8x3 1/2x2 1/2, 2 lbs sh. #KS5722L10 used \$3.95

## KNIFE SWITCH

SA-13 HEAVY DUTY DPDT KNIFE SWITCH, contacts on 2 1/2" high 1" square ceramic insulator set on 4x8 bakelite base; 4 lbs sh. Unused \$16.95

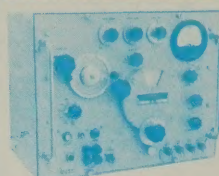
SA-46/ART-13 SPST KNIFE SW, 2x5 base, \$4.95

## SMALL INVERTER SUPPLY

TRANSISTOR INVERTER POWER SUPPLY, input 24 VDC 500 ma; output 110 VDC 60 ma. Can be used to supply B+ for low power tube type receivers. Transformer has 286 VCT 70 ma secondary. Other uses possible with modification. Reduced output at lower input voltages. Schematic included.

3 1/2x2x2, 2 lbs sh. #522-1091-004, used-checked, \$9.95; used-defective \$4.95. DA-158 FLUG to fit above inverter, \$1.50 ea.

## 1.8 TO 4.2 GHZ GENERATOR



TS-403 SIGNAL GENERATOR similar to Hewlett-Packard 616B; 1.8 to 4.2 Ghz directly calibrated. Output 0.1 uv to 200K uv into 50 ohm load monitored on 3 1/2" round Power Level meter. Internal modulation 40 to 4000 Hz. External pulse-mod requires -40+70 V; width 1 to 2500 usec squarewave or modulated. Requires 115/230 VAC 50-1000 Hz. 17 1/2x13 1/2x13 1/2, 70 lbs sh. Used-reparable \$185. Manual, repro \$10.

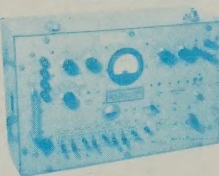
## FREQUENCY COMPARATOR

CM-212/USM-144 FREQUENCY

COMPARATOR, used with frequency counters to determine with high accuracy frequencies from 10 Mhz to 12.4 Ghz; similar to Hewlett-Packard 540A oscillator. Measures CW, FM, and pulse modulated RF signals. Unknown signal is fed into USM-144 and is compared to a mixed frequency generated from a stable, continuously adjustable fundamental from 100 to 220 Mhz. Difference in the unknown is shown on 2" dia CRT (2BE1) display. Final determination of the input signal made by the zero beat of the fundamental multiplied by the appropriate harmonic. Requires 115 VAC 50-440 Hz; 13 1/2x19 1/2x13 1/2, 65 lbs sh wt. Used, reparable, \$99.50

TRANSIT CASE \$10 w/purchase. MANUAL \$10 w/set

## TELEPHONE TEST SET

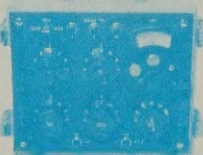


I-142/PTM-6 TELEPHONE TEST SET, measures characteristics of telephone and related equipment including these operations: 1. Sound source for mics and receivers; 2. Efficiency test for mics and receivers; 3. Capacitor test for leakage resistance; 4. Generator test; 5. Ringer test; 6. Insulation test; 7. Dial test indicating percent of pulse period; 8. Continuity test; 9. Instrument tests such as 600 ohm circuit for sound-powered equipment; 24 V. DC-AC res. circuit for common battery phones; impedance matching circuits for carbon and magnetic mics and receivers. Meter has scales -10 to +6 DB and 0-100 VDC. Requires external batteries for 3, 12, 24, and 135 VDC. Batteries not available. 19x12 x9, 46 lbs sh. I-142, used, \$59.50

TS-903/PTM-6A, more recent; 65 lbs., \$65.00

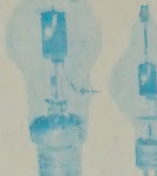
## WHEATSTONE BRIDGE

ZM-4 RESISTANCE BRIDGE, portable Wheatstone bridge used to measure DC resistance of communication and power lines to determine shorts, crosses and grounds. Resistance measurement range 1 ohm to 1,011 M-ohms ±0.15%; resistance box range: 0 to 10,110 ohms, 16-500 ma. Galvanometer indicates degree of balance in test circuit. Requires three "D" cell batteries. Also 22.5-200 VDC for more accurate readings above 1000 ohms. W/instructions 5 1/2x7 1/2x8 1/2, 12 lbs sh. Used, reparable, \$47.50



TS-62 ECHO BOX, 9320-9420 Mhz, \$35.00  
TS-118 WATTMETER, measures RF power over 20-1400 Mhz, 2" to 500 watts, \$125.00  
TS-413 SIGNAL GENERATOR, 75 Khz-40 Mhz in six bands AM; 45 lbs sh., \$99.50  
TS-465B SIGNAL GENERATOR, 100 Khz-110 Mhz AM-FM, wideband to 160 Mhz; 43 lbs. \$145.  
TS-488A ECHO BOX, 8990-9610 Mhz, \$225.00  
GENERAL RADIO 650A IMPEDANCE BRIDGE, \$105.  
GR-667A INDUCTANCE BRIDGE .1 uH-1 Hy, \$95.  
GR-716B CAPACITANCE BRIDGE to 1150 pf, \$85.  
GR-1021 SIGNAL GENERATOR 250-920 Mhz, \$150.  
HEWLETT-PACKARD 624B X-BAND TEST SET, \$225.  
HP-684 SWEEP OSCILLATOR, 4-8.1 Ghz, \$250.00

## POWER TETRODES



removed from equipment. We check filaments only but you can return them for purchase price refund if they fail your test within 10 days of their receipt.

#250TH, 250 watts at 40 Mhz class AB<sub>2</sub>, C; 37 mu-rating. Filament 5 V 10 A. Plate 4000 V 350 ma maximum. 10 1/2x3-7/8 dia, 3 lbs sh. Used, \$40.; Kimac mfg, add \$10.00

#100TH, 100 W @ 40 Mhz AB<sub>2</sub>, C; 38 mu. Filament 5 V 6.2 A. Plate 3000 V 225 ma max. 7 1/2x3 1/2, 2 lbs sh. Used, \$27.; Kimac, add \$6. \*\*\*\*\*

Other tubes, used-checked: 3B28 \$6.50 ea  
6L6WGB/5881 \$2.50 ea 611A \$7.50 ea  
6080WA/B \$4.00 ea 6082WA/B NEW \$6. ea

## JEWELL METERS

JEWELL MODEL 73T METERS, 3 1/2" wide X 3" high for 2 1/2" dia hole; 1 1/2" depth behind panel. NEW, available with scales 0-15 VDC; 0-20vdc PS-50mv; 0-200ADC (PS-50mv). Specify, \$7.95 ea.

200 AMP DC SHUNT, usable with any 0-200 ADC meter with full scale 50 MV movement; 6x1 1/2, 1 lbs. GE#200A-50MV, NEW, \$6.

0-15 AMPS DC FULL SCALE clear plastic meter; 2-3/8" square fits into 2" dia hole, 1 1/2" depth behind panel. Two hole flange mount 3-3/16" across. Emico #D2877, NEW, \$6.95

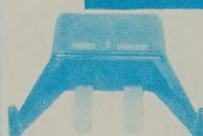


VACUUM GAUGE, 2-1/8" dia made by Marshalltown for automotive OEM; scale 0-30 inches vacuum with 0-10 portion as "intake leak", 15-20 "late ignition/Normal", balance in 1" increments. #EC-324, NEW \$4.50

PRESSURE METER for military vehicle. 0-30-60 in increments of 10. 2 1/2" dia with O.D. green rim. #6620-514-4662, NEW, \$6.00



## DUAL FOOT SWITCH



TWO PEDAL FOOT SWITCH, each normally open 115 V 10 amp contacts. Switches are mechanically interlocked so that only one can be actuated at a time; interlock lever can be easily removed for independent operation of switches. Includes 15' 14/3 heavy rubber cable. 10x8 1/2x2 1/2, 8 lbs. #2PED-FS unused \$9.95

## 10-T HELIPOTS

10-TURN HELIPOTS, 2"L x 1 1/2" dia; 1/2" dia shafts:  
10K OHMS, 3-terminal 5%; 1/2"L shft. Used \$3.  
" " " 4-term. 5%; 5/8"L shft Unused \$4.  
30K " " 3-term. 3%; 5/8"L shft Used \$3.50  
50K " " " 3/16"L sh Used \$3.25  
\*\*\*\*\*

MODEL RB DUODIAL counter dials f/above, \$4.



MIRRA 25 WATT "ANTIQUE" POTS with knob and pointer; look like type-used in 1920's radios. 2" dia; available 6, 250, or 400 ohms. Specify. Unused, \$4.50 each

## ROTARY RELAYS



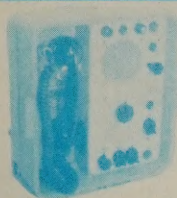
ROTARY RELAYS 28 VDC removed from equipment:

#K101/6, four wafer with horizontal shaft; contacts one 2-break, two 1-make/1-break, and one 3-make/2-break. 3-1/8x2x2, 1 lb. \$3.00 ea.

#K102/6, two wafers vertical shaft; contacts 1-make/1-break and 3-make. 2 1/2x2x1 1/2, \$2.75 ea



## CANADIAN REMOTE STATION



CANADIAN CHANNEL CONTROL BOX, originally used as a four channel remote unit for a transmitter; looks like it might be adaptable as part of an intercom system. Has push-to-talk handset, 3 1/2" 600 ohm FM speaker, audio transformers 800 ohm to 8 ohm and 50 ohm to 600 ohm CT, volume control, channel selector (2-deck, 6-pole 4-position each), phone and key jacks, two pilot lights, and other parts. Heavy aluminum cast case. 15 1/2"x13 1/2"x6 1/2", 34 lbs. #CAN-4C-RC unused \$22.95

C-1306/GRA-14 RADIO-TELETYPE CONTROL, part of AN/GRC-26A radio set; designed for switching from send to receive and selecting one way or full-duplex radio-teletype and telephone communications. Lights for Receive-Local Teletype-Trans, switches for telephone and teletype Local-Radio and One Way-Duplex, hybrid adjust to minimize transmitter modulation in received signal. Also eight silver-plated spring-type binding posts for connecting telephone and teletype lines. Hybrid transformer rating 2/600 ohm CT to 1200 ohms CT, 4/4PDT 10 amp toggle switches, three phone jacks. Requires 110VDC. 12x8 1/2"x4, 9 lbs. Unused w/power cord, \$8.95



C-1307/GRA-14 REMOTE CONTROL BOX, has eight silver-plated spring-type binding posts, six phone jacks for one way or duplex receive and send duplex, "trans" light, on-off switch, and 66" power cord rated 15 amp 125 V. 9 1/2"x5 1/2"x4, 5 lbs. \$4.95

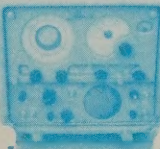
## MX-991/U FLASHLIGHT

MX-991/U FLASHLIGHT, official rugged, right angle military type made in U.S.A. Operate from two "D" cell batteries (not included). Has clear diffuser, red signal, and white opaque spare lenses which store in handle; metal belt clip. O.D. green plastic. 8 1/2"x2" dia. Unused, \$4.75



## SHORT SUPPLY ITEMS

BENDIX ADF-100 RECEIVER, automatic direction-finder operates over 200 Khz-4.5 Mhz. Has 3" CRT display with 0-360 outer dial, BFO, and speaker. Requires 115 VAC 60 Hz; 65 lbs sh. Used, reparable, \$125.00



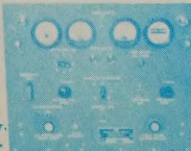
R-1040A/URM-85 RECEIVER part of 150 Khz-1000 Mhz field intensity meter system for narrow band AM-FM-CW signals. Uses plug-in tuners to cover frequency range; 115 VAC 60 Hz required with transit case; 125 lbs sh wt. Used-repar. R-1040 with CV-1101 150 Khz-30 Mhz head \$215. " " CV-1102 20-220 Mhz tuner, \$225.



R-444/APR-4Y RECEIVER MAINFRAME, when used with proper plug-in tuners covers 38-1000 Mhz FM. Requires 115 VAC 400 Hz and 24 VDC; can be converted to 60 Hz operation. 8x10 1/2"x12 1/2", 35 lbs. Used, no tuners, \$75.00

## 45 KW GENERATOR CONTROL

GENERATOR CONTROL PANEL, United Electric #2K3890 for 45 KW 208-416 VAC 50-60 Hz installation; 3 1/2" rd meters for 0-450 VAC, 0 to 125% full load, 0-60 KW, & 48-62 Hz (reed-type); also voltage, frequency, and governor adjust, AM-VM selector, On-Off Parallel Operation, AC Overvoltage Reset, and Field Flash Voltage button. 22 1/2"x18 1/2"x6 1/2", 56 lbs sh. Unused, \$125.00



## TT-4 TELETYPEWRITER



TT-4/TG PORTABLE TELETYPEWRITER, Kleinschmidt mfg; send-receive messages in standard start-stop, five unit code. Prints neutral signals only but can be adapted for incoming polar signals; polar transmission requires additional equipment and wiring modifications. Operable half or full duplex, send or receive only. Includes either 368.1 or 404 operations/minute gears (60 or 66 words/min.) Gears for 600 opm (100 wpm) optional. Prints in response to 20 ma dc at selector magnet or 60 ma dc connected directly to telegraph line selectable by Voice Freq Line-DC Line switch. Has standard keyboard and uses 8 1/2" one-, two-, or three-copy paper rolls. Requires 115 VAC 50-60 Hz or 115 VDC. Dust cover included. 24 1/2"x21x18 1/2", 46 lbs sh. Used, operable-adjustments required, \$57.50 600 CFM GEAR for 100 wpm use, \$5 w/purchase.

## 12/24 VDC 22/11 AMPS

CPP-2 POWER SUPPLY/BATTERY CHARGER, output 12 VDC 22 amps or 24 VDC 11 amps. With mains and load control and output mode indicator lights. Input: 90-150 VAC 60 Hz. Size: 11x18 1/2"x10 1/2", 90 lb sh wt. Used, \$35.00 Now \$45.00



## TM-184

TM-184 TERMINAL STRIP, twenty-eight silver-plated spring-type 1/8"x3/8" dia binding posts on 15 1/2"x3-7/8x3/8 black phenolic board. Phenolic may have minor chips; 4 lbs. \$12.00

## PRINTER LOGIC BOARD

PRINTER LOGIC PC BOARD with over 100 each 74-series IC's, sockets, and tantalum capacitors --plus C8008 CPU, 8/2102 RAM, 10/1702 PROM, six 3341 FIFO, AY5-1013 UART etc. Part of matrix printer; no data. 20 1/2"x14. #217E-224, \$34.95



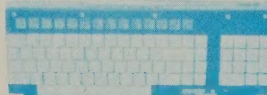
## WHISTLE/SOUND ACTIVATED

WHISTLE/SOUND ACTIVATED SWITCH, alternates on-off latching operation. Can be used to control lights, TV commercials, robots, etc. Ten transistors; 2 1/2"x3-1/8 circuit board with microphone and schematic. #AST-968SS, \$2.50 each.



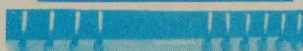
## 73-KEY KEYBOARD

CHERRY 73-KEY KEYBOARD #B65-59AB or equal. Standard typewriter keys, 0-9 key pad, Enter, Period, Comma. No electronics on keyboard. Keys can be unsoldered for replacement. Boards are little used in good condition. 15 1/2"x6 1/2"x1 1/2", 3 lbs sh. #COM-B65-59AB, complete as pictured, \$22.00 #SPA-B65-59AB, as above but no space bar \$12. #MIS-B65-59AB, " " " " " " and missing 4 to 6 key switches, \$9.00 #PAR-B65-59AB, missing at least 10 key switches; suitable for parts only, \$6 2/3 \$10



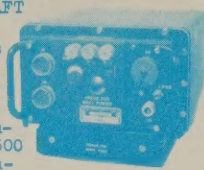
## MINI-TOGGLES

MINI-TOGGLE SWITCH STRIP, nine SPDT C&K U11 and one U15 momentary toggles soldered to PC board; 13/16"L handles. #MT-9-1M \$4.50



## ARC-109 TRANSCEIVER

RT-749/ARC-109 UHF AIRCRAFT TRANSCEIVER, solid-state Collins-mfg unit operates over 225-399.95 Mhz AM, double sideband, full carrier, and (A3) radio-telephone at 30 watts minimum power output. Has 3500 available channel frequencies in 50 Khz intervals plus 243 Mhz guard channel. External control box (not available) required for channel selection. Uses 4631 tube in power amp. 150 ohm audio output and mic input impedances. Compact, powerful set replaces ARC-27-34-51-52 radio sets. Requires 115 VAC 400 Hz 3 3/4 370 watts. 6 1/2"x9x16, 29 lbs sh. Used, good condition but not operationally checked, \$495. Schematic set, \$12.



## AIRCRAFT CONTROL BOXES

SB-329/AR SIGNAL DISTRIBUTION BOX, used with ARC-44 and -45 transceivers. Contains 4-pos.

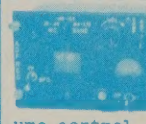
ition selector switch, volume control, two pilot lights w/327 lamps, and 5 mini-toggle switches (3/SPDT, 1/SPDT, 1/DPDT). O/a 2 1/2"x5 1/2"x4 1/2", 4 lbs sh. Unused, \$7.95

SA-474/AR SWITCH BOX, has mini-toggles 4/DPDT and 1/DPST; also two pilot lights w/327 lamps 2 1/2"x5 1/2"x2 1/2", 2 lbs sh wt. Unused, \$5.95

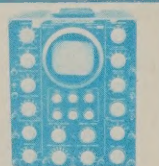
SB-328/AR CHANNEL SELECTOR for ARC-45 transceiver; 12-position channel select, tone button, volume, and 2 pilot lights w/327 lamps. 2 1/2"x5 1/2"x4 1/2", 3 lbs. Unused, \$12.95; Used, \$8.95



C-2275/ARN-59 TUNING CONTROL BOX for R-836/ARN LF receiver as described on page 1, WS-82 catalog. Tunes 0.19 to 1.75 Mhz over three bands. Also has "Tune to Max" meter, volume control, BFO, and Loop switches. Requires 28 VDC; 3 1/2"x5 1/2"x2 1/2", 2 lbs. Used, \$12.00



BROWNING OL-23 OSCILLOSCOPE, DC to 5 Mhz with triggered sweep and sweep delay; 5-step vertical attenuator from 1:1 to 1:625. 5" CRT; 75 lbs sh. Used, reparable, \$100.00 Other scopes, used-reparable: TEKTONIX 511AD, 5 Hz to 10 Mhz 75 lbs sh wt, \$95.00 TEK 514D, DC to 10 Mhz w/delay; 75 lbs, \$115. DUMONT 401A, DC to 500 Khz; 50 lbs sh, \$85.00



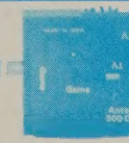
## SELSYN MODULE

SELSYN RANGE MODULE, sealed unit contains two Oster 4123-10 synchro transmitters rated 26 V 1 1/2 rotors, 11.8 V 3 3/4 400 Hz stator (suitable for wind direction projects); 400 Hz tachometer generator (26 V motor, 18 V generator with output 0.35 V/1000 RPM); and 2 3/4 400 Hz resolver (26 V rotor, 11.8 V stator). Also has precision counter-gear assembly and damaged precision potentiometer. 4 1/2"x2 1/2", 3 lbs. #9805-61, used, \$12.95 OSTER 4123-10 SYNCHRO XMITTER only, \$4.95 ea



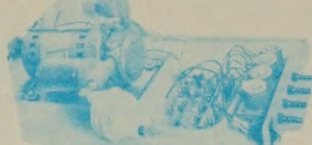
## TV GAME SWITCHES

TV GAME SWITCH as used on many TV video games; 300 ohms, RCA jack, 4" twin lead. 2 1/2"x1 1/2"x1, 1 lb. #TW-TVGS, \$2.50 SHIELDED TV GAME SWITCH, "Game" RCA jack input is shielded from TV inputs; 300 ohms. 2 1/2"x3x1 box also has two screw terminals. Other uses possible. #JA-TVGS, \$3.75





## COMPRESSOR-VACUUM PUMP



COMPRESSOR/VACUUM PUMP UNIT, originally used with medical equipment. Could be used as-is or dismantled for separate components. Consists of Gast #1531-V-175-351 motor rated 115 VAC 60 Hz 1.7 amps, 1/10 HP 3450 RPM. Compressor duty: 1.5 CFM @ zero PSIG to 0.95 CFM 20 PSIG max. Vacuum duty: 1.5 CFM @ 0" HG, 0.8 CFM @ 10" HG, or 0.2 CFM @ 20" HG. Compressor outlet connected to four valve assembly; each valve has  $\frac{1}{4}$ " orifice and rated 5 PSIG. Printed circuit board cycles valves 15 seconds on/15 sec off, two valves or all four valves functioning according to position of valve selector switch. Compressor fittings standard 1/8" NPT. Includes 4-blade cooling fan and sound insulated enclosure for low noise operation. 10x 13 $\frac{1}{2}$ x18 $\frac{1}{2}$ , 34 lbs sh. #AS-LAP-VP, used, \$34.95

## GE 'PROGRESS-LINE'

GE PROGRESS-LINE 50 WATT MOBILE TRANSCIEVER, single channel crystal-controlled in the 144-174 FM Mhz band. Has #4ER2502 receive, #4ET-21A2 transmit, and #4EP2B vibrator power supply sections. Transmit deck uses two 6146 tubes in P-A. Power supply requires two vibrators (not available) for 12 VDC operation. Internal trimmers for antenna tuning, coupling, and P-A plate; 21 tubes. 6x14x15 $\frac{1}{2}$ , 34 lbs sh. #MA E/36N, used less crystal and cover, \$65. S318-CCT CONTROL PLUG, \$3. POWER PLUG, \$2.50. #MA E/33N PROGRESS-LINE TRANSCIEVER, same as above except one 6146 tube for 25 watt power output; used, less crystal and cover, \$49.50. #4ET21A2 50 WATT TRANSMITTER SECTION only with 2/6146, 2E26, & six other tubes, \$19.95

MOTOROLA MOBILE RADIO CONTROL HEAD with push-to-talk mic, squelch, volume control, and coil cord; 7 lbs sh wt. #CTCR6001A, used, \$12.95



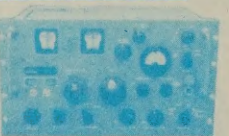
## MOBILE TRANSCIEVER



AN/VRC-51 FM MOBILE TRANSCIEVER, single channel crystal-controlled in the 132 to 152 Mhz range. Power output 30 watts using 6146 tube in the power amp; 22 other tubes. Internal trimmers for antenna tuning, coupling, and PA plate. Includes C-3691 transistorized power supply and control box which has speaker, volume, and squelch; also interconnect cable. Requires 12 or 24 VDC; Comco manufacture. 12x6x9, 27 lbs sh. Used, not checked, \$69.50

## 20-237 MHZ RECEIVER

R-220/URR RECEIVER, 20 to 237 Mhz AM, FM, CW, and MCW in seven continuously tunable bands. FM deviation: -75 KHz max. Has variable first, IF's; 2nd IF, 1.75 Mhz; final 455 KHz. IF selectivity: 10, 50, and 200 KHz. Calibration points every 5 Mhz from 20 to 230 Mhz. Squelch sensitivity: 1 uv. Selective audio bandpass response: Sharp (800 Hz), Medium (3500Hz), and Wide. Antenna input impedance: 95 ohms balanced; 95 ohms unbalanced using adapter into 50 ohm line. Power required: 115/230 VAC 48-62 Hz. Size: 10x19x14 $\frac{1}{2}$ ; wt 115 lbs. Used reparable, \$400; MANUAL \$10



## TRANSFORMERS

All removed from equipment and have 115 VAC 50-60 Hz primaries:

### 2250 VCT 565 MA

(1750 WV) secondary; 115/230 V pri. 6 $\frac{1}{2}$ x4 $\frac{1}{2}$ x4 $\frac{1}{2}$ , 32 lbs. #TF1UX02YY, \$34.95

### 2000 VCT 500 MA

(1500 WV, 700 ma intermittent); 7x5 $\frac{1}{2}$ x5, 32 lbs sh wt. #SS-HW201P, \$30.00

### 4800 VCT 475 MA

or 5760 VCT 321 ma (7500 WV); 115/230 V pri. 9 $\frac{1}{2}$ x10 $\frac{1}{2}$ x9 $\frac{1}{2}$ , 110 lbs. #2Z9621/610, \$65.00

900 VCT 250 ma; 4 $\frac{1}{2}$ x4 $\frac{1}{2}$ x3 $\frac{1}{2}$ , 16 lb. #S-P243 \$7.95

1000 VCT 220 ma, 2.5 VCT 5 A; 5 VCT 3 A; 1750 V insulation. 5x4 $\frac{1}{2}$ x4, 20 lb. #T1/610, \$10.95

5 VCT 12.6 A FILAMENT TRANSFORMER, 1500 V insulation; 3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3, 8 lbs. #T3/610, \$6.95

5 VCT 10 A, 5 VCT 3 A, 6.3 VCT 3.5 A; 2 KV insulation. 4 $\frac{1}{2}$ x4 $\frac{1}{2}$ x3 $\frac{1}{2}$ , 12 lbs; #T4/610, \$8.95

2.5 VCT 10 A, 10 KV insulation; 5x3 $\frac{1}{2}$ x3, 7 lbs sh wt. #2Z9621-201, \$4.95

## AF MODULATION

Primary 8000.0ct 250 ma; secondary 2800.0ct 300 ma. Response 200-20K Hz, 120 watts. 8x4 $\frac{1}{2}$ x4 $\frac{1}{2}$ , 30 lbs sh wt. #T201/MD141, \$12.00

Primary 21000.0ct, secondary 8000.0ct 250 ma; 150-3000 Hz, 250 W (7 KV test). 7 $\frac{1}{2}$ x4 $\frac{1}{2}$ x4, 28 lbs sh wt. #2Z9633.68/610, \$15.00

## CHOKES

11 Hy 500 ma 55 ohms 10 KV test 9x7x6, 42 lbs. #3C557N/610, \$12

6 HY 250 ma 105 ohms 2 KV test; 4 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3, 8 lb sh wt. #L123/610, \$5.95

6 HY 205 ma 67 ohms, 620 WV; 4 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ , 7 lbs sh wt. #L102/MD141, \$4.50

2 HY 700 ma 26 ohms, 1 KWV; 5 $\frac{1}{2}$ x3x3 $\frac{1}{2}$ , 9 lbs sh wt. #L201/MD141, \$4.75

### 3500 VDC 53.3 MFD

CAPACITOR, 10x4 $\frac{1}{2}$ x3 $\frac{1}{2}$ ; 11 lbs sh. CSI #4W3081, NEW, \$25.00

1500 VDC CAPACITORS, removed from equipment: 8 uf, 5 $\frac{1}{2}$ x3 $\frac{1}{2}$ x2 $\frac{1}{2}$ , 3 lbs, \$4. 10 uf, 5 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3, 4 lbs, \$5.00

4 uf 4000 VDC, 10 $\frac{1}{2}$ x4 $\frac{1}{2}$ x3 $\frac{1}{2}$ , 12 lbs sh. Used, \$10.00

2 uf 4 KVDC, 7 $\frac{1}{2}$ x4 $\frac{1}{2}$ x3 $\frac{1}{2}$ , 7 lbs sh. \$5.00 25 uf 4 KVDC PHOTO-FLASH 9 $\frac{1}{2}$ x4 $\frac{1}{2}$ x3 $\frac{1}{2}$ , 9 lbs. \$16

## 31-151 PF 7KV VARIABLE

DUAL SECTION 7000 V VARIABLE CAPACITOR, 31 to 151 pf per section; 0.175" air gap. 5/8x1" dia shaft. o/a 4 $\frac{1}{2}$ x14x4, 4 lbs. #153-511, used, \$24.95

## VACUUM VARIABLES

JENNINGS VACUUM VARIABLE CAPACITORS removed from unused equipment; 4 $\frac{1}{2}$ "H x 2 $\frac{1}{2}$ " diameter, 3 lbs sh wt. #UCSV-110, 110 pf 10 KV, \$75.00 #UCSV-250-7.5, 250 pf 7.5 KV, \$80. #UCSV-250-10, 250 pf 10 KV, \$90.00

## WATER TEMP METER

3" DIA WATER TEMPERATURE METER with 20 to 240 degrees Fahrenheit expanded scale. Includes 6' long copper capillary; Marshalltown mfg. 2 lbs sh. #261-9858, NEW \$14.00



## WW-II VEHICULAR RADIO

BC-620 TRANSCIEVER, part of SCR-509-510 radio set as used in World War II vehicular communications. Receives and transmits over 20-27.9 Mhz FM range on any two of 80 different crystal channels spaced 100 KHz apart. Transmitter output: 1.2 watts. Has tuning meter and tubes 11C6, 11H4, 4/11N5 2/1291, 1294, 4/1299. Uses FT-241 crystal-type (not included) and requires 1.5 VDC 0.7 amp, 90 VDC 45 ma, 7.5 VDC 0.3 A, 150 VDC 45 ma. Size: 12x16x21 $\frac{1}{2}$ , 40 lbs. Used, \$59.50



CS-79 BATTERY BOX for manpack use of BC-620 or BC-659; 17 lbs sh. Used, \$6. Unused, \$10. SCR-509/510 MANUAL, \$7.50 SCR-609/610 (BC-659) MANUAL, \$7.50 TS-13 HANDSET, \$10.00 with purchase of set.

## RT-5010 TRANSCIEVER

RT-5010/PRC-510 CANADIAN PORTABLE TRANSCIEVER, Canadian version of U.S. RT-176A/PRC-10A transceiver. Covers 38-54.9 Mhz FM continuously tunable. Receiver IF 4.3 Mhz; audio output 600 ohms. Transmitter power output 900 MW with normal range of about five miles. Microphone input 150 ohms. Controls for volume, tuning, squelch, pointer adjust, and dial lock. Can be used with either U.S. or Canadian versions of H-33/PT handset. With tubes 9/5678, 1A4, 2/5672, 3/5676, 5A6. Requires 135 VDC, 67 V, and 1.5 VDC. (BA-279 battery not available.) Units shipped less 4300 KHz calibrator crystal which is not essential for operation. 9 $\frac{1}{2}$ x3x10 $\frac{1}{2}$ , 9 lbs; used-not checked, \$16.95

RT-5009/PRC-509 CANADIAN TRANSCIEVER, same as RT-510 except 27 to 38.9 Mhz FM; similar to U.S. RT-175A/PRC-9A. Used, \$18.95

AT-5001/PRC WHIP ANTENNA, 11"-47"L, \$3.00 ea CY-5007/PRC BATTERY BOX, \$3 w/set purchase. H-33/PT (U.S.) HANDSET, \$6.95 ea. MANUAL for PRC-9A, -10A (U.S.), \$7.50

## 400-600 MHZ FM AMPLIFIER

AM-1178/GRC AMPLIFIER MULTIPLIER used in T-302 transmitter for 400-600 Mhz FM range. 120 watts output using 4X150A and 4X150G tubes. 12x6x14, 45 lbs. Used, \$79.50; Unused \$100.

AM-1160/GRC, 50 to 100 Mhz; 1/4X150A, \$49.50 AM-912/GRC, 100 to 225 Mhz; 1/4X150A, \$75.00 AM-915/GRC, 225-400 Mhz; two 4X150's, \$55.00

## MAGNETO PHONE

MAGNETO-TYPE DESK TELEPHONE, similar in operation as field telephones EE-8's and TA-43/312's. Hand crank generator rings other party or vice versa by the connection of two wires between phones. Requires two "D" cell batteries; 10 lbs. #929-6864, NEW \$49.50



## FLAMEPROOF KEY

TC-5A FLAMEPROOF KEY, early WW-II U.S. Army Signal Corps key on 3-1/8x2-5/8 x3/8 phenolic base. Ball-style button; 2 lbs sh. Unused, boxed, \$9.95 each



## WARNING LIGHT

CROUSE HINDS HAZARD LIGHT, 5"Hx4" dia red glass dome on cast aluminum base w/mounting clamp for  $\frac{3}{8}$ " dia rod; standard light bulb socket. Has rubber weatherproofing seals. O/a 7 $\frac{1}{2}$ " high; 5 lbs sh. #CH-HL-P-18/9419, unused, \$19.95

